

**CDCR ENERGY EFFICIENCY PROJECT SAVINGS for 2011**

Facility	Energy Savings (kWh)	Energy Savings (therms)	Utility Bill Savings (\$/Yr)	Project Description
Valley State Prison for Women	1,317,866	51,476	\$132,528	Lighting improvements, kitchen equipment upgrade, laundry improvements
Central California Women's Facility	717,148	0	\$48,564	WWTP aerator improvements
California Institution for Women	527,852	0	\$2306.0	Lighting retrofit and programmable thermostats
Pleasant Valley State Prison	1,721,519	0	\$147,787	WWTP aerator improvements, motor controls and lighting retrofits
Wasco State Prison	1,815,408	76,649	\$183,154	HVAC control, VFDs for water pumps WWTP oxygen sensors
Corcoran State Prison	3,421,376	18,665	\$273,710	Energy Management Control System
Ironwood State Prison	3,474,488	70,242	\$277,959	Housing unit fan VFDs
California Correctional Institution	1,164,578	0	\$104,812	WWTP areation controls and lighting retrofits
Corcoran State Prison	1,922,476	0	\$144,185	Facility wide interior lighting retrofit
Mule Creek State Prison	1,167,234	0	\$115,533	Facility wide interior lighting retrofit
North Kern State Prison	1,461,816	0	\$126,103	Facility wide interior lighting retrofit
CSP Los Angeles County	1,833,193	0	\$258,914	Facility wide interior lighting retrofit
<b>2008 SUB-TOTAL</b>	<b>20,544,954</b>	<b>217,032</b>	<b>\$1,865,555</b>	
RJ Donovan State Prison	1,497,959	48,004	\$176,100	Laundry upgrades and lighting retrofits
Correctional Training Facility	2,308,079	2,549	\$191,063	Motor upgrades, lift station VFD, various lighting retrofits
Mule Creek State Prison	1,401,494	119,177	\$176,831	Housing unit fan VFDs
CSP Los Angeles County	1,370,901	59,385	\$227,304	Refrigeration controls, lighting retrofits and HVAC controls
<b>2009 SUB-TOTAL</b>	<b>6,578,433</b>	<b>229,115</b>	<b>\$771,298</b>	
Corcoran State Prison	1,186,761	0	\$107,995	HID Lighting (1st Split)
California Rehabilitation Center	1,378,982	0	\$124,108	Lighting Retrofit Project
RJ Donovan State Prison	52,417	31,542	\$27,193	Phase 2- Lighting & Steam System Upgrades
San Quentin State Prison	56,109	0	\$4,489	Phase 2- Induction Lighting Purchase
Wasco State Prison	213,284	0	\$17,063	Phase 4- Induction Lighting Purchase
<b>2010 SUB-TOTAL</b>	<b>2,887,553</b>	<b>31,542</b>	<b>\$280,848</b>	
California Correctional Institution	430,116	345,322	\$317,476	Boiler replacement Project (Remove IV A/B from Central Steam Loop)
Corcoran State Prison	1,227,687	0	\$111,720	HID Lighting (2nd Split)
Corcoran State Prison	2,637,607	66,906	\$260,743	Phase 2- Energy Management System
California Rehabilitation Center	45,505	220,980	\$186,852	Boiler Replacement Project, Energy Management System
Correctional Training Facility & Salinas Valley State Prison	1,034,517	319,850	\$361,780	Water Heaters, Boiler & Lighting
Substance Abuse Treatment Facility	5,413,745	49,944	\$532,107	Energy Management System
Correctional Training Facility	0	113,249	\$92,864	South Facility Boiler Replacement (Capitol Outlay Funded)
North Kern State Prison	75,778	0	\$6,062	Bulk Lighting Purchase
San Quentin, Wasco & Mule Creek State Prisons	414,606	0	\$33,168	Bulk Lighting Purchase
<b>2011 SUB-TOTAL</b>	<b>11,279,561</b>	<b>1,116,251</b>	<b>\$1,902,772</b>	
<b>TOTALS</b>	<b>41290501 (kWh)</b>	<b>1,593,940 (therms)</b>	<b>\$4,820,473</b>	
kWh= unit of measurement for electricity usage				
Therms= unit of measurement for natural gas				
GHG= Green House Gas emissions- caused by burning natural gas, coal and oil to produce electricity, etc.				
Net Simple Payback= considers the initial investment vs. the payback period of the project.				